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P. J. DeMichele  
08/28/02

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To Commissioner For Patents

Enclosed herewith is a Form PTO-1449, required copies of documents listed thereon, and a concise explanation of their relevance is described below or enclosed herewith per 37 CFR 1.97.

Application Number	09/840,200
Filing Date	April 23, 2001
First Named Inventor	Dagnachew Birru
Group Art Unit	2614
Examiner Name	
Attorney Docket Number	US 000160

These documents may be relevant in that they have been (check one):

- ☐ considered in drafting the specification of the above referenced application;
- ☐ cited in the specification of the above-referenced application;
- ☐ previously submitted or cited in U.S. patent application(s) which are relied on for an earlier effective filing date under 35 U.S.C. 120 (no copies required);
- ☒ cited as an "X" or "Y" document in a foreign Patent Office search report in a foreign counterpart application, a copy of which report is also enclosed; or
- ☐ otherwise a concise explanation of the relevance of each document, as understood by the individual designated in §1.56(c) most knowledgeable about the contents, is append hereto.

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## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Name (Print Type)	Michael E. Marion	Registration No. (Attorney/Agent)	32,266
Signature		Date	July 29, 2002

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Form PTO-1449  
COMMERCE  
(REV. 7-80)U.S. DEPARTMENT OF  
PATENT AND TRADEMARK OFFICEAtty. Docket No.  
US 000160Serial No.  
09/840,200Applicant  
Dagnachew BirruFiling Date  
April 23, 2001Group  
2614INFORMATION DISCLOSURE CITATION  
(Use several sheets, if necessary)

## U.S. PATENT DOCUMENTS

Ex. Int	Document Number	Date	Name	Class	Sub-class	Filing Date If Approp.
AA						
AB						
AC						
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## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub-class	Trans.	
						Yes	no
AF	0 0 1 6 5 2 6 A 1	3/23/00	World			X	
AG							
AH							
AI							
AJ							
AK							

OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	"A Modified $\mu$ -Weighted Normalized Frequency-Domain LMS Algorithm", by Harish S. Punjabi et al., Pages 232-236. XP000488549
AM	"Adaptive Frequency-Domain Equalization and Diversity Combining for Broadband Wireless Communications", by Martin V. Clark, pages 409-413.
AN	"Degradation of Multicarrier and Single Carrier Transmission with Frequency Domain Equalization due to Pilot-Aided Channel Estimation and Frequency Synchronization", by Andreas Czylik, pages 27-31.

Examiner

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.